

NAME:

MFK9-NEW.SEQ

7654 BPS DNA

\* \* \* S E Q U E N C E \* \* \*

1 AAGCTTGCAT GCCTGCAGGT CGACTCTAGG CACATAAAGA AAAACATAAC TAACCAAGCT  
TTCGAACGTA CGGACGTCCA GCTGAGATCC GTGTATTTCT TTTTGTATTG ATTGGTTCTGA

61 GCAGCCGAGA CAGTGAAAAG AACCGTTAAA ACGGTTTGTGTT TTAAATAAAC TGAATTATTT  
CGTCGGCTCT GTCACTTTTTC TTGGCAATTT TGCCAAACAA AATTTATTTG ACTTAATAAA

121 AGAGTCATTT CTTTGGTAGG AAAGTACATT GGCACGTAAA GGAGCCCAAA GCAATCTGTG  
TCTCAGTAAA GAAACCATCC TTTTCATGTAA CCGTGCATTT CCTCGGGTTT CGTTAGACAC

181 GAAAGCCCAG GCTGGGAGCC CAGCAGTTTG CATCCCCTCC TGGCGTGTAC CTAAGGGTTT  
CTTTCGGGTC CGACCCTCGG GTCGTCAAAC GTAGGGGAGG ACCGCACATG GATTCCCAAA

241 CTTAATTGTG TGGTTTCTAA ATCTTCCAGA GGGTTTGTCT CATTCACTTC CACTTCGGTG  
GAATTAACAC ACCAAAGATT TAGAAGGTCT CCCAAACAGA GTAAGTGAAG GTGAAGCCAC

301 CACAATACTT GGACGCGGAT TTA CTGTCTT AGCATCTATC GGTGGCCCTT CGATTGAGGC  
GTGTTATGAA CCTGCGCCTA AATGACAGAA TCGTAGATAG CCACCGGGAA GCTAACTCCG

361 TGAACCTGAG GCCCACTTCT TCAGCTTGTT AAGGAGAGCA CAAGCACCAG AAGAGGCTGA  
ACTTGGACTC CGGGTGAAGA AGTCGAACAA TTCCTCTCGT GTTCGTGGTC TTCTCCGACT

421 CCCGGCAGAC CTGTGGGCAT TTTTAACAAG GGCCTCCTGG GTCTGTGGGA GGCAGGCTTA  
GGGCCGTCTG GACACCCGTA AAAATTGTTC CCGGAGGACC CAGACACCCT CCGTCCGAAT

481 CATAAGGTGC AAATTAGAAA TATAAATAAT AAGCCCATAT CAATTTGTCA TCTTTTTTTA  
GTATTCCACG TTTAATCTTT ATATTTATTA TTCGGGTATA GTTAAACAGT AGAAAAAAT

541 AGCTCAAGTT TTGAAAGACC CCACCTGTAG GTTTGGCAAG CTAGCTTAAG TAACGCCATT  
TCGAGTTCAA AACTTTCTGG GGTGGACATC CAAACCGTTC GATCGAATTC ATTGCGGTAA

601 TTGCAAGGCA TGGAAAATAC ATA ACTGAGA ATAGAGAAGT TCAGATCAAG GTTAGGAACA  
AACGTTCCGT ACCTTTTATG TATTGACTCT TATCTCTTCA AGTCTAGTTC CAATCCTTGT

661 GAGAGACAGC AGAATATGGG CCAAACAGGA TATCTGTGGT AAGCAGTTCC TGCCCCGCTC  
CTCTCTGTCTG TCTTATACCC GGTTCGTCTT ATAGACACCA TTCGTCAAGG ACGGGGCGAG

721 AGGGCCAAGA ACAGTTGGAA CAGGAGAATA TGGGCCAAAC AGGATATCTG TGGTAAGCAG  
TCCCGGTTCT TGTCAACCTT GTCCTCTTAT ACCCGGTTTG TCCTATAGAC ACCATTCGTC

781 TTCCTGCCCC GGCTCAGGGC CAAGAACAGA TGGTCCCCAG ATGCGGTCCC GCCCTCAGCA  
AAGGACGGGG CCGAGTCCCG GTTCTTGTCT ACCAGGGGTC TACGCCAGGG CGGGAGTCGT

841 GTTCTAGAG AACCATCAGA TGTTTCCAGG GTGCCCAAG GACCTGAAAT GACCCTGTGC  
CAAAGATCTC TTGGTAGTCT ACAAAGGTCC CACGGGGTTC CTGGACTTTA CTGGGACACG

901 CTTATTTGAA CTAACCAATC AGTTCGCTTC TCGCTTCTGT TCGCGCGCTT CTGCTCCCCG  
GAATAAACTT GATTGGTTAG TCAAGCGAAG AGCGAAGACA AGCGCGCGAA GACGAGGGGC

961 AGCTCAATAA AAGAGCCAC AACCCCTCAC TCGGCGCGCC AGTCCTCCGA TAGACTGCGT  
TCGAGTTATT TTCTCGGGTG TTGGGGAGTG AGCCGCGCGG TCAGGAGGCT ATCTGACGCA

1021 CGCCCGGGTA CCCGTATTCC CAATAAAGCC TCTTGCTGTT TGCATCCGAA TCGTGGACTC  
GCGGGCCCAT GGCATAAGG GTTATTTTCG AGAACGACAA ACGTAGGCTT AGCACCTGAG

1081	GCTGATCCTT CGACTAGGAA	GGGAGGGTCT CCCTCCCAGA	CCTCAGATTG GGAGTCTAAC	ATTGACTGCC TAACTGACGG	CACCTCGGGG GTGGAGCCCC	GTCTTTCATT CAGAAAGTAA
1141	TGGAGGTTCC ACCTCCAAGG	ACCGAGATTT TGGCTCTAAA	GGAGACCCCT CCTCTGGGGA	GGCAGGGGAC CGGGTCCCTG	CACCGACCCC GTGGCTGGGG	CCCGCCGGGA GGGCGGCCCT
1201	GGTAAGCTGG CCATTTCGACC	CCAGCAACTT GGTCGTTGAA	ATCTGTGTCT TAGACACAGA	GTCCGATTGT CAGGCTAACA	CTAGTGTCTA GATCACAGAT	TGACTGATTT ACTGACTAAA
1261	TATGCGCCTG ATACGCGGAC	CGTCGGTACT GCAGCCATGA	AGTTAGCTAA TCAATCGATT	CTAGCTCTGT GATCGAGACA	ATCTGGCGGA TAGACCGCCT	CCCGTGGTGG GGGCACCACC
1321	AACTGACGAG TTGACTGCTC	TTCGGAACAC AAGCCTTGTTG	CCGGCCGCAA GGCCGGCGTT	CCCTGGGAGA GGGACCCTCT	CGTCCCAGGG GCAGGGTCCC	ACTTCGGGGG TGAAGCCCCC
1381	CCGTTTTTGT GGCAAAAACA	GGCCCGACCT CCGGGCTGGA	GAGTCCTAAA CTCAGGATTT	ATCCCGATCG TAGGGCTAGC	TTTAGGACTC AAATCCTGAG	TTGGGTGCAC AAACCACGTG
1441	CCCCCTTAGA GGGGGAATCT	GGAGGGATAT CCTCCCTATA	GTGGTTCTGG CACCAAGACC	TAGGAGACGA ATCCTCTGCT	GAACCTAAAA CTTGGATTTT	CAGTTCCTCG GTCAAGGGCG
1501	CTCCGTCTGA GAGGCAGACT	ATTTTGTGCTT TAAAAACGAA	TCGGTTTGGG AGCCAAACCC	ACCGAAGCCG TGGCTTCGGC	CGCCGCGCGT GCGGCGCGCA	CTTGTCTGCT GAACAGACGA
1561	GCAGCATCGT CGTCGTAGCA	TCTGTGTTGT AGACACAACA	CTCTGTCTGA GAGACAGACT	CTGTGTTTCT GACACAAAGA	GTATTTGTCT CATAAACAGA	GAAAATATGG CTTTTATACC
1621	GCCCGGGCTA CGGGCCCGAT	GACTGTTACC CTGACAATGG	ACTCCCTTAA TGAGGGAATT	GTTTGACCTT CAAACCTGGAA	AGGTCACCTG TCCAGTGACC	AAAGATGTCT TTTCTACAGC
1681	AGCGGATCGC TCGCCTAGCG	TCACAACCAG AGTGTTGGTC	TCGGTAGATG AGCCATCTAC	TCAAGAAGAG AGTTCTTCTC	ACGTTGGGTT TGCAACCCAA	ACCTTCTGCT TGGAAGACGA
1741	CTGCAGAATG GACGTCTTAC	GCCAACCTTT CGGTTGGAAA	AACGTCGGAT TTGCAGCCTA	GGCCGCGAGA CCGGCGCTCT	CGGCACCTTT GCCGTGGAAA	AACCGAGACC TTGGCTCTGG
1801	TCATCACCCA AGTAGTGGGT	GGTTAAGATC CCAATTCTAG	AAGGTCTTTT TTCCAGAAAA	CACCTGGCCC GTGGACCGGG	GCATGGACAC CGTACCTGTG	CCAGACCAGG GGTCTGGTCC
1861	TCCCCTACAT AGGGGATGTA	CGTGACCTGG GCACTGGACC	GAAGCCTTGG CTTCGGAACC	CTTTTGACCC GAAAACCTGGG	CCCTCCCTGG GGGAGGGACC	GTCAAGCCCT CAGTTCGGGA
1921	TTGTACACCC AACATGTGGG	TAAGCCTCCG ATTTCGGAGGC	CCTCCTCTTC GGAGGAGAAG	CTCCATCCGC GAGGTAGGCG	CCCGTCTCTC GGGCAGAGAG	CCCTTGAAC GGGGAACCTG
1981	CTCCTCGTTC GAGGAGCAAG	GACCCCGCCT CTGGGGCGGA	CGATCCTCCC GCTAGGAGGG	TTTATCCAGC AAATAGGTCTG	CCTCACTCCT GGAGTGAGGA	TCTCTAGGCG AGAGATCCGC
2041	CCCCCATATG GGGGGTATAC	GCCATATGAG CGGTATACTC	ATCTTATATG TAGAATATAC	GGGCACCCCC CCCGTGGGGG	GCCCCTTGTA CGGGGAACAT	AACTTCCCTG TTGAAGGGAC
2101	ACCCTGACAT TGGGACTGTA	GACAAGAGTT CTGTTCTCAA	ACTAACAGCC TGATTGTCGG	CCTCTCTCCA GGAGAGAGGT	AGCTCACTTA TCGAGTGAAT	CAGGCTTCTA GTCCGAAGAT
2161	CTTAGTCCAG GAATCAGGTC	CACGAAGTCT GTGCTTCAGA	GGAGACCTCT CCTCTGGAGA	GGCGGCAGCC CCGCCGTCGG	TACCAAGAAC ATGGTTCTTG	AACTGGACCG TTGACCTGGC
2221	ACCGGTGGTA TGGCCACCAT	CCTCACCTTT GGAGTGGGAA	ACCGAGTCGG TGGCTCAGCC	CGACACAGTG GCTGTGTCAC	TGGGTCCGCC ACCCAGGCGG	GACACCAGAC CTGTGGTCTG

2281	TAAGAACCTA ATTCTTGGAT	GAACCTCGCT CTTGGAGCGA	GGAAAGGACC CCTTTCCTGG	TTACACAGTC AATGTGTCTAG	CTGCTGACCA GACGACTGGT	CCCCACCGC GGGGGTGGCG
2341	CCTCAAAGTA GGAGTTTCAT	GACGGCATCG CTGCCGTAGC	CAGCTTGGAT GTCGAACCTA	ACACGCCGCC TGTGCGGCGG	CACGTGAAGG GTGCACTTCC	CTGCCGACCC GACGGCTGGG
2401	CGGGGGTGG GCCCCACCT	CCATCCTCTA GGTAGGAGAT	GACTGCCATG CTGACGGTAC	GGATGGAGCT CCTACCTCGA	GTATCATCCT CATAGTAGGA	CTTCTTGGTA GAAGAACCAT
2461	GCAACAGCTA CGTTGTTCAT	CAGGTGTCCA GTCCACAGGT	CTCCGACATC GAGGCTGTAG	CAGCTGACCC GTCGACTGGG	AGAGCCCAAG TCTCGGGTTC	CAGCCTGAGC GTCGGACTCG
2521	GCCAGCGTGG CGGTTCGCACC	GTGACAGAGT CACTGTCTCA	GACCATCACC CTGGTAGTGG	TGTAAGGCCA ACATTCCGGT	GTCAGGATGT CAGTCCTACA	GGGTACTTCT CCCATGAAGA
2581	GTAGCTTGGT CATCGAACCA	ACCAGCAGAA TGGTCGTCTT	GCCAGGTAAG CGGTCCATTC	GCTCCAAAGC CGAGGTTTCG	TGCTGATCTA ACGACTAGAT	CTGGACATCC GACCTGTAGG
2641	ACCCGGCACA TGGGCCGTGT	CTGGTGTGCC GACCACACGG	AAGCAGATTC TTCGTCTAAG	AGCGGTAGCG TCGCCATCGC	GTAGCGGTAC CATCGCCATG	CGACTTCACC GCTGAAGTGG
2701	TTCACCATCA AAGTGGTAGT	GCAGCCTCCA CGTCGGAGGT	GCCAGAGGAC CGGTCTCCTG	ATCGCCACCT TAGCGGTGGA	ACTACTGCCA TGATGACGGT	GCAATATAGC CGTTATATCG
2761	CTCTATCGGT GAGATAGCCA	CGTTCGGCCA GCAAGCCGGT	AGGGACCAAG TCCCTGGTTC	GTGGAAATCA CACCTTTAGT	AACGAGGTGG TTGCTCCACC	CTCAGGATCG GAGTCCTAGC
2821	GGTGGATCCG CCACCTAGGC	GCTCTGGTGG CGAGACCACC	CTCAGGATCG GAGTCCTAGC	GAGGTCCAAC CTCCAGGTTG	TGGTGGAGAG ACCACCTCTC	CGGTGGAGGT GCCACCTCCA
2881	GTTGTGCAAC CAACACGTTG	CTGGCCGGTC GACCGGCCAG	CCTGCGCCTG GGACGCGGAC	TCCTGCTCCG AGGACGAGGC	CATCTGGCTT GTAGACCGAA	CGATTTACCC GCTAAAGTGG
2941	ACATATTGGA TGTATAACCT	TGAGTTGGGT ACTCAACCCA	GAGACAGGCA CTCTGTCCGT	CCTGGAAAAG GGACCTTTTC	GTCTTGAGTG CAGAACTCAC	GATTGGAGAA CTAACCTCTT
3001	ATTCATCCAG TAAGTAGGTC	ATAGCAGTAC TATCGTCATG	GATTAACTAT CTAATTGATA	GCGCCGTCTC CGCGGCAGAG	TAAAGGATAG ATTTCCCTATC	ATTTACAATA TAAATGTTAT
3061	TCGCGAGACA AGCGCTCTGT	ACGCCAAGAA TGCGGTTCTT	CACATTGTTC GTGTAACAAG	CTGCAAATGG GACGTTTACC	ACAGCCTGAG TGTCGGACTC	ACCCGAAGAC TGGGCTTCTG
3121	ACCGGGGTCT TGGCCCCAGA	ATTTTGTGTC TAAAAACACG	AAGCCTTTAC TTCGGAAATG	TTCGGCTTCC AAGCCGAAGG	CCTGGTTTGC GGACCAAACG	TTATTGGGGC AATAACCCCG
3181	CAAGGGACCC GTTCCCTGGG	CGGTCACCGT GCCAGTGGCA	CTCCAGTGCT GAGGTCACGA	AAGCCCACCA TTCGGGTGGT	CGACGCCAGC GCTGCGGTCTG	GCCGCGACCA CGGCGCTGGT
3241	CCAACACCGG GGTTGTGGCC	CGCCCACCAT GCGGGTGGTA	CGCGTCGCAG GCGCAGCGTC	CCCCTGTCCC GGGGACAGGG	TGCGCCGAGA ACGCGGGTCT	GGCGGCTCGG CCGCCGAGCC
3301	CCAGCGGCGG GGTCGCCGCC	GGGGCGCAGT CCCCGCGTCA	GCACACGAGG CGTGTGCTCC	GGGCTGGACT CCCACCTGA	TCGCCCTGGA AGCGGGACCT	TCCCAAACCTC AGGGTTTGAG
3361	TGCTACCTGC ACGATGGACG	TGGATGGAAT ACCTACCTTA	CCTCTTCATC GGAGAAGTAG	TATGGTGTCA ATACCACAGT	TTCTCACTGC AAGAGTGACG	CTTGTTCTTG GAACAAGGAC
3421	AGAGTGAAGT TCTCACTTCA	TCAGCAGGAG AGTCGTCCTC	CGCAGAGCCC GCGTCTCGGG	CCCGCGTACC GGGCGCATGG	AGCAGGGCCA TCGTCCCGGT	GAACCAGCTC CTTGGTTCGAG

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3481	TATAACGAGC ATATTGCTCG	TCAATCTAGG AGTTAGATCC	ACGAAGAGAG TGCTTCTCTC	GAGTACGATG CTCATGCTAC	TTTTGGACAA AAAACCTGTT	GAGACGTGGC CTCTGCACCG
3541	CGGGACCCTG GCCCTGGGAC	AGATGGGGGG TCTACCCCCC	AAAGCCGAGA TTTCGGCTCT	AGGAAGAACC TCCTTCTTGG	CTCAGGAAGG GAGTCCTTCC	CCTGTACAA TGACATGTTA
3601	GAAGTGCAGA CTTGACGTCT	AAGATAAGAT TTCTATTCTA	GGCGGAGGCC CCGCCTCCGG	TACAGTGAGA ATGTCACTCT	TTGGGATGAA AACCTACTT	AGGCGAGCGC TCGCCTCGCG
3661	CGGAGGGGCA GCCTCCCCGT	AGGGGCACGA TCCCCGTGCT	TGGCCTTTAC ACCGGAAATG	CAGGGTCTCA GTCCCAGAGT	GTACAGCCAC CATGTCGGTG	CAAGGACACC GTTCTCTGTG
3721	TACGACGCCC ATGCTGCGGG	TTCACATGCA AAGTGTACGT	GGCCCTGCCC CCGGGACGGG	CCTCGCTAAC GGAGCGATTG	TCGACGCGGC AGCTGCGCCG	CGCGGATCCG GCGCCTAGGC
3781	GATTAGTCCA CTAATCAGGT	ATTTGTTAAA TAAACAATTT	GACAGGATAT CTGTCTCTATA	CAGTGGTCCA GTCACCAGGT	GGCTCTAGTT CCGAGATCAA	TTGACTCAAC AACTGAGTTG
3841	AATATCACCA TTATAGTGGT	GCTGAAGCCT CGACTTCGGA	ATAGAGTACG TATCTCATGC	AGCCATAGAT TCGGTATCTA	AAAATAAAAG TTTTATTTTC	ATTTTATTTA TAAATAAAAT
3901	GTCTCCAGAA CAGAGGTCTT	AAAGGGGGGA TTTCCCCCCT	ATGAAAGACC TACTTTCTGG	CCACCTGTAG GGTGGACATC	GTTTGGCAAG CAAACCGTTC	CTAGCTTAAG GATCGAATTC
3961	TAACGCCATT ATTGCGGTAA	TTGCAAGGCA AACGTTCCGT	TGGAAAATAC ACCTTTTATG	ATAACTGAGA TATTGACTCT	ATAGAGAAGT TATCTCTTCA	TCAGATCAAG AGTCTAGTTC
4021	GTTAGGAACA CAATCCTTGT	GAGAGACAGC CTCTCTGTCT	AGAATATGGG TCTTATACCC	CCAAACAGGA GGTTTGTCTT	TATCTGTGGT ATAGACACCA	AAGCAGTTCC TTCGTCAAGG
4081	TGCCCCGCTC ACGGGGCGAG	AGGGCCAAGA TCCCGGTTCT	ACAGTTGGAA TGTCAACCTT	CAGGAGAATA GTCCTCTTAT	TGGGCCAAAC ACCCGGTTTG	AGGATATCTG TCCTATAGAC
4141	TGGTAAGCAG ACCATTTCGTC	TTCTTGCCCC AAGGACGGGG	GGCTCAGGGC CCGAGTCCCG	CAAGAACAGA GTTCTTGTCT	TGGTCCCCAG ACCAGGGGTC	ATGCGGTCCC TACGCCAGGG
4201	GCCCTCAGCA CGGGAGTCGT	GTTTCTAGAG CAAAGATCTC	AACCATCAGA TTGGTAGTCT	TGTTTCCAGG ACAAAGGTCC	GTGCCCCAAG CACGGGGTTC	GACCTGAAAT CTGGACTTTA
4261	GACCCTGTGC CTGGGACACG	CTTATTTGAA GAATAAACTT	CTAACCAATC GATTGGTTAG	AGTTCGCTTC TCAAGCGAAG	TCGCTTCTGT AGCGAAGACA	TCGCGCGCTT AGCGCGCGAA
4321	CTGCTCCCCG GACGAGGGGC	AGCTCAATAA TCGAGTTATT	AAGAGCCCAC TTCTCGGGTG	AACCCCTCAC TTGGGGAGTG	TCGGCGCGCC AGCCGCGCGG	AGTCCTCCGA TCAGGAGGCT
4381	TAGACTGCGT ATCTGACGCA	CGCCCGGGTA GCGGGCCCAT	CCCGTGTTCT GGGCACAAGA	CAATAAACCC GTTATTTGGG	TCTTGCAGTT AGAACGTCAA	GCATCCGACT CGTAGGCTGA
4441	CGTGGTCTCG GCACCAGAGC	CTGTTCCTTG GACAAGGAAC	GGAGGGTCTC CCTCCAGAG	TCTGAGTGAT AGACTACTA	TGACTACCCG ACTGATGGGC	TCAGCGGGGT AGTCGCCCCA
4501	CTTTCAGTTT GAAAGTCAAA	CTCCACCTA GAGGGTGGAT	CACAGGTCTC GTGTCCAGAG	ACTAACATT TGATTGTAAG	CTGATGTGCC GACTACACGG	GCAGGGACTC CGTCCCTGAG
4561	CGTCAGCCCC GCAGTCGGGC	GTTTTTGT CAAAAACAAA	ATAATAAAAT TATTATTTTA	GCAAGAACAG CGTTCCTGTC	TGTTCCCTTC ACAAGGGAAG	AAGCCAGACT TTCGGTCTGA
4621	ACATCCTGAC TGTAGGACTG	TCTCGGCTTT AGAGCCGAAA	ATAAAAAGAAT TATTTTCTTA	GTTGAAGGGC CAACTTCCCG	TCTGTGGACT AGACACCTGA	ATCTGCCACA TAGACGGTGT

4681	CGACTTTTTTA GCTGAAAAAT	AGATTTTTTAT TCTAAAAATA	GCCTCCTGGA CGGAGGACCT	TGAGGGATTT ACTCCCTAAA	AGTCAATCTA TCAGTTAGAT	TCCTCGTCTA AGGAGCAGAT
4741	TTTTGCTGGC AAAACGACCG	TTCTCCGTAT AAGAGGCATA	TTTAAATTTT AAATTTTAAAG	TAGTTTGCAC ATCAAACGTG	TCCCTTCCTG AGGGAAGGAC	AGAGCACGGC TCTCGTGCCG
4801	GATTGCAGAG CTAACGTCTC	TAGTTAATAC ATCAATTATG	TCTGAGGGCA AGACTCCCGT	GGCTTCTGTG CCGAAGACAC	AAAAGGTTGC TTTTCCAACG	CTGGGCTCAG GACCCGAGTC
4861	TGTGAGATTT ACACTCTAAA	TGCCATAAAA ACGGTATTTT	AGGGGTCTCT TCCCCAGGAC	CCCCTGTGTA GGGGACACAT	CAGACAGATC GTCTGTCTAG	GGAATCTAGA CCTTAGATCT
4921	GTGCATACTC CACGTATGAG	AGAGTCCCCG TCTCAGGGGC	CGGTTCCGGG GCCAAGGCC	GCTCTGATCT CGAGACTAGA	CAGGGCATCT GTCCCGTAGA	TTGCCTAGAG AACGGATCTC
4981	ATCCTCTACG TAGGAGATGC	CCGGACGCAT GGCCTGCGTA	CGTGGCCGGG GCACCGGCC	TACCGAGCTC ATGGCTCGAG	GAATTCGTAA CTTAAGCATT	TCATGGTCAT AGTACCAGTA
5041	AGCTGTTTTCC TCGACAAAGG	TGTGTGAAAT ACACACTTTA	TGTTATCCGC ACAATAGGCG	TCACAATTCC AGTGTTAAGG	ACACAACATA TGTGTTGTAT	CGAGCCGGAA GCTCGGCCTT
5101	GCATAAAGTG CGTATTTTAC	TAAAGCCTGG ATTTTCGGAC	GGTGCCTAAT CCACGGATTA	GAGTGAGCTA CTCACTCGAT	ACTCACATTA TGAGTGTAAT	ATTGCGTTGC TAACGCAACG
5161	GCTCACTGCC CGAGTGACGG	CGCTTTCCAG GCGAAAGGTC	TCGGGAAACC AGCCCTTTTG	TGTCGTGCCA ACAGCACGGT	GCTGCATTAA CGACGTAATT	TGAATCGGCC ACTTAGCCGG
5221	AACGCGCGGG TTGCGCGCCC	GAGAGGCGGT CTCTCCGCCA	TTGCGTATTG AACGCATAAC	GGCGCTCTTC CCGCGAGAAG	CGCTTCCTCG GCGAAGGAGC	CTCACTGACT GAGTGACTGA
5281	CGCTGCGCTC GCGACGCGAG	GGTCGTTCGG CCAGCAAGCC	CTGCGGCGAG GACGCCGCTC	CGGTATCAGC GCCATAGTCG	TCACTCAAAG AGTGAGTTTC	GCGGTAATAC CGCCATTATG
5341	GGTTATCCAC CCAATAGGTG	AGAATCAGGG TCTTAGTCCC	GATAACGCAG CTATTGCGTC	GAAAGAACAT CTTCTTGTA	GTGAGCAAAA CACTCGTTTT	GGCCAGCAAA CCGGTCGTTT
5401	AGGCCAGGAA TCCGGTCCTT	CCGTAAAAAG GGCATTTTTT	GCCGCGTTGC CGGCGCAACG	TGGCGTTTTT ACCGCAAAAA	CCATAGGCTC GGTATCCGAG	CGCCCCCCTG GCGGGGGGAC
5461	ACGAGCATCA TGCTCGTAGT	CAAAAAATCGA GTTTTTTAGT	CGCTCAAGTC GCGAGTTCAG	AGAGGTGGCG TCTCCACCGC	AAACCCGACA TTTGGGCTGT	GGAATAATAA CCTGATATTT
5521	GATACCAGGC CTATGGTCCG	GTTTCCCCCT CAAAGGGGGA	GGAAGCTCCC CCTTCGAGGG	TCGTGCGCTC AGCACGCGAG	TCCTGTTCCG AGGACAAGGC	ACCCTGCCGC TGGGACGGCG
5581	TTACCGGATA AATGGCCTAT	CCTGTCCGCC GGACAGGCGG	TTTCTCCCTT AAAGAGGGAA	CGGGAAGCGT GCCCTTCGCA	GGCGCTTCT CCGCGAAAGA	CATAGCTCAC GTATCGAGTG
5641	GCTGTAGGTA CGACATCCAT	TCTCAGTTCT AGAGTCAAGC	GTGTAGGTCT CACATCCAGC	TTCGCTCCAA AAGCGAGGTT	GCTGGGCTGT CGACCCGACA	GTGCACGAAC CACGTGCTTG
5701	CCCCCGTTCA GGGGGCAAGT	GCCCGACCGC CGGGCTGGCG	TGCGCCTTAT ACGCGGAATA	CCGGTAACTA GGCCATTGAT	TCGTCTTGAG AGCAGAACTC	TCCAACCCGG AGGTTGGGCC
5761	TAAGACACGA ATTCTGTGCT	CTTATCGCCA GAATAGCGGT	CTGGCAGCAG GACCGTCGTC	CCACTGGTAA GGTGACCATT	CAGGATTAGC GTCCTAATCG	AGAGCGAGGT TCTCGCTCCA
5821	ATGTAGGCGG TACATCCGCC	TGCTACAGAG ACGATGTCTC	TTCTTGAAGT AAGAACTTCA	GGTGGCCTAA CCACCGGATT	CTACGGCTAC GATGCCGATG	ACTAGAAGGA TGATCTTCCT

5881	CAGTATTTGG GTCATAAAC	TATCTGCGCT ATAGACGCGA	CTGCTGAAGC GACGACTTCG	CAGTTACCTT GTCAATGGAA	CGGAAAAAGA GCCTTTTTCT	GTTGGTAGCT CAACCATCGA
5941	CTTGATCCGG GAACTAGGCC	CAAACAAACC GTTTGTTCG	ACCGCTGGTA TGGCGACCAT	GCGGTGGTTT CGCCACCAAA	TTTTGTTTGC AAAACAAACG	AAGCAGCAGA TTCGTCGTCT
6001	TTACGCGCAG AATGCGCGTC	AAAAAAGGA TTTTTTTCCT	TCTCAAGAAG AGAGTTCCTC	ATCCTTTGAT TAGGAAACTA	CTTTTCTACG GAAAAGATGC	GGGTCTGACG CCCAGACTGC
6061	CTCAGTGGAA GAGTCACCTT	CGAAAACTCA GCTTTTGAGT	CGTTAAGGGA GCAATTCCCT	TTTTGGTCAT AAAACCAGTA	GAGATTATCA CTCTAATAGT	AAAAGGATCT TTTTCCCTAGA
6121	TCACCTAGAT AGTGGATCTA	CCTTTTAAAT GGAAAATTTA	TAAAAATGAA ATTTTTACTT	GTTTTAAATC CAAAATTTAG	AATCTAAAGT TTAGATTTCA	ATATATGAGT TATATACTCA
6181	AAACTTGGTC TTTGAACCAG	TGACAGTTAC ACTGTCAATG	CAATGCTTAA GTTACGAATT	TCAGTGAGGC AGTCACTCCG	ACCTATCTCA TGGATAGAGT	GCGATCTGTC CGCTAGACAG
6241	TATTTTCGTT ATAAAGCAAG	ATCCATAGTT TAGGTATCAA	GCCTGACTCC CGGACTGAGG	CCGTCGTGTA GGCAGCACAT	GATAACTACG CTATTGATGC	ATACGGGAGG TATGCCCTCC
6301	GCTTACCATC CGAATGGTAG	TGGCCCCAGT ACCGGGGTCA	GCTGCAATGA CGACGTTACT	TACCGCGAGA ATGGCGCTCT	CCCACGCTCA GGGTGCGAGT	CCGGCTCCAG GGCCGAGGTC
6361	ATTTATCAGC TAAATAGTCG	AATAAACCCAG TTATTTGGTC	CCAGCCGGAA GGTCGGCCTT	GGGCCGAGCG CCCGGCTCGC	CAGAAGTGGT GTCTTCACCA	CCTGCAACTT GGACGTTGAA
6421	TATCCGCCTC ATAGGCGGAG	CATCCAGTCT GTAGGTCAGA	ATTAATTGTT TAATTAACAA	GCCGGGAAGC CGGCCCTTCG	TAGAGTAAGT ATCTCATTCA	AGTTCGCCAG TCAAGCGGTC
6481	TTAATAGTTT AATTATCAAA	GCGCAACGTT CGCGTTGCAA	GTTGCCATTG CAACGGTAAC	CTACAGGCTC GATGTCCGAG	GTGGTGTAC CACCACAGTG	GCTCGTCGTT CGAGCAGCAA
6541	TGGTATGGCT ACCATAACCGA	TCATTTCAGCT AGTAAGTCGA	CCGGTCCCA GGCCAAGGTT	ACGATCAAGG TGCTAGTTCC	CGAGTTACAT GCTCAATGTA	GATCCCCCAT CTAGGGGGTA
6601	GTTGTGCAAA CAACACGTTT	AAAGCGGTTA TTTCGCCAAT	GCTCCTTCGG CGAGGAAGCC	TCCTCCGATC AGGAGGCTAG	GTTGTCAGAA CAACAGTCTT	GTAAGTTGGC CATTCAACCG
6661	CGCAGTGTTA GCGTCACAAT	TCACTCATGG AGTGAGTACC	TTATGGCAGC AATACCGTCG	ACTGCATAAT TGACGTATTA	TCTCTTACTG AGAGAATGAC	TCATGCCATC AGTACGGTAG
6721	CGTAAGATGC GCATTCTACG	TTTTCTGTGA AAAAGACACT	CTGGTGAGTA GACCACTCAT	CTCAACCAAG GAGTTGGTTC	TCATTCTGAG AGTAAGACTC	AATAGTGTAT TTATCACATA
6781	GCGGCGACCG CGCCGCTGGC	AGTTGCTCTT TCAACGAGAA	GCCCCGCGTC CGGGCCGCAG	AATACGGGAT TTATGCCCTA	AATACCGCGC TTATGGCGCG	CACATAGCAG GTGTATCGTC
6841	AACTTTAAAA TTGAAATTTT	GTGCTCATCA CACGAGTAGT	TTGGAAAACG AACCTTTTGC	TTCTTCGGGG AAGAAGCCCC	CGAAAACTCT GCTTTTGAGA	CAAGGATCTT GTTCTTAGAA
6901	ACCGCTGTTG TGGCGACAAC	AGATCCAGTT TCTAGGTCAA	CGATGTAACC GCTACATTGG	CACTCGTGCA GTGAGCACGT	CCCAACTGAT GGGTGACTA	CTTCAGCATC GAAGTCGTAG
6961	TTTTACTTTC AAAATGAAAG	ACCAGCGTTT TGTCGCAAA	CTGGGTGAGC GACCCACTCG	AAAAACAGGA TTTTTGTCCT	AGGCAAAATG TCCGTTTTTAC	CCGCAAAAAA GGCGTTTTTT
7021	GGGAATAAGG CCCTTATTCC	GCGACACGGA CGCTGTGCCT	AATGTTGAAT TTACAACCTA	ACTCATACTC TGAGTATGAG	TTCCTTTTTT AAGGAAAAAG	AATATTATTG TTATAATAAC

7081	AAGCATTAT TTCGTAAATA	CAGGGTTATT GTCCCAATAA	GTCTCATGAG CAGAGTACTC	CGGATACATA GCCTATGTAT	TTTGAATGTA AAACTTACAT	TTTAGAAAAA AAATCTTTTT
7141	TAAACAAATA ATTTGTTTAT	GGGGTTCCGC CCCCAAGGCG	GCACATTTCC CGTGTAAGG	CCGAAAAGTG GGCTTTTCAC	CCACCTGACG GGTGGACTGC	TCTAAGAAAC AGATTCTTTG
7201	CATTATTATC GTAATAATAG	ATGACATTAA TACTGTAATT	CCTATAAAAA GGATATTTTT	TAGGCGTATC ATCCGCATAG	ACGAGGCCCT TGCTCCGGGA	TTCGTCTCGC AAGCAGAGCG
7261	GCGTTTCGGT CGCAAAGCCA	GATGACGGTG CTACTGCCAC	AAAACCTCTG TTTTGGAGAC	ACACATGCAG TGTGTACGTC	CTCCCGGAGA GAGGGCCTCT	CGGTCACAGC GCCAGTGTGC
7321	TTGTCTGTAA AACAGACATT	GCGGATGCCG CGCCTACGGC	GGAGCAGACA CCTCGTCTGT	AGCCCGTCAG TCGGGCAGTC	GGCGCGTCAG CCGCGCAGTC	CGGGTGTTGG GCCCACAACC
7381	CGGGTGTCGG GCCACAGCC	GGCTGGCTTA CCGACCGAAT	ACTATGCGGC TGATACGCCG	ATCAGAGCAG TAGTCTCGTC	ATTGTACTGA TAACATGACT	GAGTGCACCA CTCACGTGGT
7441	TATGCGGTGT ATACGCCACA	GAAATACCGC CTTTATGGCG	ACAGATGCGT TGTCTACGCA	AAGGAGAAAA TTCCTCTTTT	TACCGCATCA ATGGCGTAGT	GGCGCCATTC CCGCGGTAAG
7501	GCCATTCAGG CGGTAAGTCC	CTGCGCAACT GACGCGTTGA	GTTGGGAAGG CAACCCTTCC	GCGATCGGTG CGCTAGCCAC	CGGGCCTCTT GCCCGGAGAA	CGCTATTACG GCGATAATGC
7561	CCAGCTGGCG GGTCGACCGC	AAAGGGGGAT TTTCCCCCTA	GTGCTGCAAG CACGACGTTT	GCGATTAAGT CGCTAATTCA	TGGGTAACGC ACCCATTGCG	CAGGGTTTTTC GTCCCAAAG
7621	CCAGTCACGA GGTCAGTGCT	CGTTGTAAAA GCAACATTTT	CGACGGCCAG GCTGCCGGTC	TGCC ACGG		